



**Guidance Document – Form APCD-204**  
**Midstream Condensate Tanks**  
**Air Pollutant Emissions Notice (APEN)**

Ver. September 28, 2009

The following guidance document is intended to provide further detail on completing the Air Pollutant Emissions Notice (APEN). Please include the permit number and AIRS ID of the reported equipment if the Air Pollution Control Division (APCD) has previously assigned these numbers. Otherwise, please leave these spaces at the top of the form blank.

The APEN submitted is valid for five (5) years from the date it is received by the APCD. An APEN update must be submitted to the APCD no later than 30 days before this 5-year term expires.

The applicant must submit a \$152.90 filing fee with each APEN submitted in addition to \$250 for each general permit, GP01 Ver. 2, registration requested. The application will not be processed without an APEN filing fee.

An applicant may group emission points on a single APEN according to Regulation No. 3, Part A, II.B.4. *Guidance on emissions source grouping may be found online at:* <http://www.cdphe.state.co.us/ap/down/Ps95-013.pdf>

**Section 01 - Administration Information**

This section contains general information for the company.

NAICS codes: can be found online at- <http://www.naics.com/search.htm>

SIC codes: can be found online at- <http://www.osha.gov/pls/imis/sicsearch.html>

**Section 02 - Requested Action**

*Guidance on Revised APENs may be found online at:* <http://www.cdphe.state.co.us/ap/down/ps02-01.pdf>

**NEW:** Check box if source has not been assigned a permit number and you are applying for a new individual permit.

**MODIFICATION:** Check box if source already has a permit issued and you would like to modify the individual permit. Specify all the modifications you are requesting in an attached cover letter.

**GENERAL PERMIT:** Check box you are requesting coverage under general permit GP01 Ver. 2. Please note, the general permit contains a federally enforceable limit of 39 tons VOC per year. This limit will apply to your facility potential to emit (PTE) and implications should be considered before applying to use the general permit.

**APEN UPDATE:** Check this box to update your APEN without any permit modifications. If you submit an APEN to update your actual calendar year emissions, this will also update the 5-year APEN term. Please review your previously submitted APEN, and verify that no changes have occurred prior to submittal of an APEN update.

Other than the 5 year expiration date, a revised APEN must be submitted:

- Prior to the installation of new, or replacement of equipment or pollution control equipment.
- Prior to any change in the ownership or operator of a facility or location.
- To change a permit limit or condition.
- Whenever a significant change in annual (calendar year) actual emissions occurs.

A significant change for a criteria pollutant is defined as:

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Sources which emit 100 tons per year or more: any change of 5% or 50 tons/year or more of actual emissions, whichever is less.

Sources which emit less than 100 tons per year: any change of 5 tons/year or more of actual emissions, except for sources of volatile organic compounds and nitrogen oxides in ozone nonattainment areas which must report any change of 1 ton/year or 5% of actual emissions, whichever is greater.

A significant change for Non-Criteria Reportable Air Pollutants (See Regulation 3, Part A, Appendix A) is defined as:

Any increase of 50% or 5 tons/year of actual emissions, whichever is less.

***Please Note: For an APEN to be considered complete, all appropriate fields for current operating and company data must be filled out. The application will not be accepted if all fields are not completed.***

### **Section 03- General Information**

Provide overall source schedule, times, and dates of operation and a general description of equipment used, and the purpose of the equipment.

Answer questions listed in the general information section as they pertain to the source.

Please note if your facility is located in a non-attainment area for any *National Ambient Air Quality Standard* (NAAQS) criteria pollutant (Nitrogen Oxide, Sulfur Dioxide, Ozone, Volatile Organic Compounds, PM<sub>10</sub>, PM<sub>2.5</sub>, TSP, Carbon Monoxide, Lead). This website will direct you to those areas that are designated as attainment/non-attainment- <http://www.cdphe.state.co.us/ap/attainmaintain.html>

### **Section 04 – Tank Battery Information**

Complete requested information for all sources. If “flash” emissions will result from the storage tanks, be certain to include a pressurized pre-flash extended condensate analysis along with an analysis of the stabilized “sales oil” RVP and API gravity. Attach E&P Tanks simulation input and output file (or equivalent (i.e., HYSYS, ProSim, EPA TANKS, etc.) to demonstrate flashing, working and breathing losses associated with the source.

### **Section 05 – Stack Information**

Provide this information if a combustion device is used to control the storage tank emissions. If your equipment contains multiple stacks or emission release points, you must submit a separate sheet with relevant information.

Operator Stack ID No.: The in-house identification number for a stack, if any.

Base Elevation (feet): Elevation of the base of the stack or emission point.

Discharge Height Above Ground Level: Vertical distance in feet from ground level to emission outlet level.

Temperature: Exhaust stream exit temperatures under normal operating conditions, to nearest 1°F.

Flow Rate: Actual cubic feet per minute (ACFM) at normal operating temperature and pressure, to nearest 1 ACFM.

Velocity: To the nearest 0.1 ft./sec., obtained by dividing Flow Rate by area of exit.

Moisture: Percent by weight of exhaust gases.

### **Section 06 – Stack (Source, if no combustion) Location**

If no combustion device is used to control emissions, list location information for the storage tank(s).

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Horizontal Datum (NAD27, NAD83, WGS84): The horizontal geodetic datum of the source location coordinates. One of the following datum must be referenced: NAD27, NAD83, WGS84.

Latitude/Longitude *OR* UTM description: *provide one or the other.* These are coordinate systems and a means for identifying a point on the earth on a planimetric map. These can be found using Internet tools such as Google Earth or obtained from a georeferenced plot plan of the facility. UTM descriptions will include a zone number.

Method of Collection for Location Data: Identify how the Latitude/Longitude or UTM coordinates were obtained. Methods include: map (identify map name or type), GPS, GoogleEarth, etc.

**Section 07 – Control Device Information**

Select the appropriate control device operated by the source, if applicable. Complete the additional information requested under the device selected for control. Provide supporting documentation for control device utilized in process.

**Section 08 - Emissions Inventory Information & Emission Control Information**

Emission Factor: List each specific pollutant's emission factor and appropriate unit (lb/BBL) used to determine actual and requested emissions from the source. The emissions factors should be based on EPA Tanks 4.0 output if stabilized hydrocarbon liquid is stored and only "working and breathing" losses will be generated. The emissions factors should be based on E&P Tanks 2.0 or another Division approved commercial process simulator if "flash" and "working and breathing" losses will be generated.

Actual Calendar Year Emissions: The actual amount of emissions emitted annually. Use the previous calendar year emissions if possible. Note the data year (in the box above) that was used to determine these actual emissions.

"Uncontrolled" = calculated emissions prior to taking any credit for reductions due to a control device.

"Controlled" = calculated emissions downstream from any control device.

Requested Permitted Emissions: This level will be your permit limit (maximum allowed). The emission level should relate to the annual operation, condensate throughput and control device efficiency listed in previous sections. If left blank the Division will calculate emission based on information supplied in previous sections.

Emission Method or Factor Source: Identify how your emissions were estimated. Example emission factor sources/methods include: E&P Tanks 2.0, HYSIS, Prosim, EPA TANKs 4.0. If emission estimations are based upon methods other than those supplied by the Division or EPA, sufficient supporting documentation must be included.

**Section 10 – Applicant Certification**

Signature, date signed, printed name and title of person legally authorized to supply data must be provided.

Additional guidance can be obtained here:

The Air Pollution Control Division at (303) 692-3150, or at their website-

<http://www.cdphe.state.co.us/ap/stationary.html>

The Small Business Assistance Program at (303) 692-3175, (303) 692-3148, or at their website-

<http://www.cdphe.state.co.us/ap/sbap/index.html>